



SHEET 1 OF 7

FORM PTO-1449		DOCKET NUMBER MAT 3D7		APPLICATION NUMBER 09/851,539		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION		APPLICANT William Willett				
		FILING DATE May 7, 2001		GROUP ART UNIT 3712		
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
D.G.	248,115	10/11/1881	Stearns, Jr.			
	3,298,130	1/17/67	Ryan			
	3,767,901	10/23/73	Black et al.			
	3,912,694	10/14/75	Chiappe et al.			
	4,107,462	8/15/78	Asija			
	4,139,968	2/20/79	Milner			
	4,177,589	12/11/79	Villa			
	4,207,704	6/17/80	Akiyama			
	4,231,184	11/4/80	Corris et al.			
	4,245,430	1/20/81	Hoyt			
D.G.	4,318,245	3/9/82	Stowell et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
D.G.	WO 87/07522	12/17/87	WIPO			XX
D.G.	WO 96/15837	5/30/96	WIPO			XX
OTHER DOCUMENTS						
EXAMINER				DATE CONSIDERED		

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
D.S.	4,516,950	5/14/85	Berman et al.	1		
1	4,565,487	1/21/86	Kroczyński			
	4,579,540	4/1/86	Ho			
1	4,659,919	4/21/87	Price			
D.S.	4,660,033	4/21/87	Brandt			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROP.
D.S.	4,696,653	9/29/87	McKeefery	↑	↓	RECEIVED AUG 05 2003 TECHNOLOGY CENTER R3700
	4,729,563	3/8/88	Yokoi			
	4,767,374	8/30/88	Yang			
	4,809,335	2/28/89	Rumsey			
	4,825,136	4/25/89	Farhat			
	4,846,693	7/11/89	Baer			
	4,850,930	7/25/89	Sato et al.			
	4,855,725	8/8/89	Fernandez			
D.S.	4,864,607	9/5/89	Mitamura et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
OTHER DOCUMENTS						
EXAMINER				DATE CONSIDERED		



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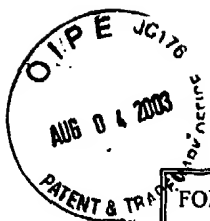
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DG.	5,011,449	4/30/91	Handy et al.			
	5,029,214	7/2/91	Hollander			
	5,096,451	3/17/92	Smith et al.			
	5,100,138	3/31/92	Wilde			
	5,141,464	8/25/92	Stern et al.			
	5,142,803	9/1/92	Lang			
	5,158,492	10/27/92	Rudell et al.			
	5,195,920	3/23/93	Collier			
	5,213,510	5/25/93	Freeman			
DG.	5,236,385	8/17/93	May			
FOREIGN PATENT DOCUMENTS						
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OTHER DOCUMENTS						
EXAMINER			DATE CONSIDERED			

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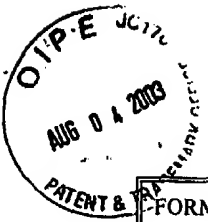
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D.G.	5,239,665	8/24/93	Tsuchiya			
	5,270,480	12/14/93	Hikawa			
	5,280,265	1/18/94	Kramer et al.			
	5,413,355	5/9/95	Gonzalez			
	5,413,516	5/9/95	Lam			
	5,468,172	11/21/95	Basile			
	5,474,484	12/12/95	Lemelle			
D.G.	5,478,240	12/26/95	Cogliano			
FOREIGN PATENT DOCUMENTS						
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D.G.	5,495,557	2/27/96	Hyman et al.			
	5,493,185	2/20/96	Mohr et al.			
	5,493,281	2/20/96	Owens			
	5,501,627	3/26/96	Ekstein			
	5,534,888	7/9/96	Lebby et al.			
	5,636,994	6/10/97	Tong			
D.G.	5,648,999	7/15/97	Easterling et al.			
FOREIGN PATENT DOCUMENTS						
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DG	5,655,945	8/12/97	Jani			
	5,656,907	8/12/97	Chainani et al.			
	5,682,196	10/28/97	Freeman			
	5,855,483	1/5/99	Collins et al.			
	5,873,765	2/23/99	Rifkin et al.			
	6,048,209	4/11/00	Bailey			
	6,159,101	12/12/00	Simpson			
DG	6,435,936	8/20/02	Rehkemper et al.			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES NO
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